

**U.S. Department of Agriculture
Natural Resources Conservation Service
Nevada**

**DOCUMENTATION CHECK LIST
IRRIGATION WATER CONVEYANCE PIPELINE (430)**

1. Field surveys and notes are in accordance with Engineering Technical Release 62 and National Engineering Manual Part 540. _____
2. Standard drawings and/or standard size drawing sheets are used. _____
3. Engineering job class is shown and proper engineering review/approval is obtained. _____
4. Right of way easements, utility clearances, SHPO clearance and applicable state and Federal permits are obtained. _____
5. Computations are made for sizing and classifying the pipe(s) based upon water requirements of crops, irrigation method(s), pipe working pressures, velocity restrictions, hydraulic gradeline computations and external loadings. _____
6. The facilities are designed as part of a resource management system. _____
7. The construction drawings and specifications show as appropriate:
 - a. Location map, complete facility plan layout, cross-sections and profiles which show dimensions, elevations. _____
 - b. Material type, size and pressure class for pipe and fittings. _____
 - c. Location, size, type and pressure class for appurtenances (stands, drains, vents, valves, outlets, thrust blocks). _____
 - d. Pipe trench/backfill requirements _____
 - e. Safety features for trenches, when applicable. _____
 - f. Buried utilities disclaimer is shown on the drawings. _____
8. Operation and maintenance plan prepared, and provided to landowner. _____
9. Review of construction drawings, and specifications is completed and Cooperator's signature is obtained. _____
10. Changes in design are noted and approved by landowner, designer and proper engineering review/approval is obtained. _____
11. As-Built drawings show constructed dimensions, type and size of facilities, type of materials, location, type, and size of appurtenances. _____
12. Construction inspection documentation and Certification of materials. _____
13. Certification that completed practice meets plans and specifications. _____